Research Service Labs PO Box 19124 OKC, OK 73144

Sir:

Thank you for your interest in our products. Enclosed is a list of what we currently have available in hardware and software for the Sinclair/Timex computers, and a list of items soon to be released.

All of our products include features and conveniences not normally found in low priced add-ons. For instance, all of our boards include computer accessable ID numbers, unique for each type of board. All boards also include user address selection, and on board regulators. For small systems the computer can be selected as power source, yet without fear of overheating. For larger systems, power can come from an external power source, without modification to the board. A bus buffer board (BUF2) is also available.

All of our software packages have been designed for, and tested on, each type of computer. All have been designed to be compatible with our hardware add-ons. They also include instructions for adapting them to other hardware.

In short, we do the research so that you get the service.

Sincerely,

David A. Schultz
Marketing

Research Service Labs
P. O. Box 19124
Oklahoma City, OK 73144

Bulk Rate
U. S. POSTAGE
PAID
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Permit No. 1910

REQUESTED THROUGH
T/S 1000
Radio-Electronics
11/01/84 0010

K L CCWIN
5667 RAVENEL LN
SPRINGFIELD VA 22151

HARDWARE

EPROMMER $75

EPROMMER is a complete programmer for 5V EPROMS such as: 2716,2732/2732A,2764. Simple and safe programming is assured by on-board program pulse timing and generation.

FEATURES:
Each EPROM type has its own socket -- no switches to forget
Program pulse timing on board -- pre-set, failsafe
Program supply regulator -- use with inexpensive supplies
5V regulator on board -- avoid computer overheating
Power for 5V can come from computer or externally
Easy access from BASIC -- direct for TS2068
-- simple USR routine for ZX81,etc.
User selectable addressing -- no contention with other I/O
Complete instructions included

PRTIF $50

PRTIF is an interface to any printer with a Centronics-style parallel input. In addition to data lines, all printer status and control lines are available.

FEATURES:
All signals present -- can integrate with any software
Driver routines included -- Transparent LPRINT, LLIST on TS2068
-- USR routine for ZX81,1000,1500
Can be powered either by computer or externally
On board 5V regulator -- no computer overheating
User selectable addressing -- no contention with other I/O
Complete instructions included

BUFI/O -- Discontinued

BUF2 $75

BUF2 eliminates excessive loading of computer's bus by buffering all bus signals(40 lines). Also included is a cable terminator.

FEATURES:
Uses LS240 series buffers -- maximum drive, minimum load
Can be powered by computer or externally
On board 5V regulator -- no computer overheating
Complete instructions included

HARDWARE

DISKIF $200

DISKIF provides interface to up to four 5-1/4 disk drives, using standard single or double density recording formats. Both single and double sided drives are supported, and can be intermixed.

FUNCTIONS:
Load and save programs -- distinguishes model of computer
Load and save arrays -- available on all machines
Load and save machine language files -- also on all machines
Direct file access from within BASIC programs
Copy and Rename files -- to same or different drive
Directory listings -- to screen or into a file or array
Format a new disk -- locates and de-allocates bad sectors

FEATURES:
Standard disk format -- can interchange with other systems
Operating system provided on diskette
Bootstrap routine included
Individual diskettes can be named -- printed at top of dir.
Can accommodate both 40 and 80 track drives -- can be mixed
Instructions for use with 8 inch floppies included

SOFTWARE

Note: All software sales are final.

ASM/DSM $40

ASM/DSM is a combination Z80 assembler and disassembler. It uses a functional notation, first described in the book:

Microprocessor Programming and Software Development
by F. G. Duncan

This notation allows easier understanding and translation between different processors than the manufacturer's.

FUNCTIONS:
Assemble source file into executable machine code
Disassemble machine code into an editable source file
Save source files or machine code to tape
Load source files or machine code from tape
Edit source file

FEATURES:
Fully interactive -- checks syntax as lines are entered
Both assembler and disassembler in one package
Very fast assembly -- assembles 4K in seconds
Disassembles machine code into an editables source file
Allows special characters in labels
Uses 64 column mode -- TS2068 only
FULL manual included

TEXTEDIT $40

TEXTEDIT allows creating and editing ASCII text files.

FUNCTIONS:
File in memory can be edited, printed, or saved to tape
Files on tape can be loaded, either alone or appended to an existing file in memory

FEATURES:
Uses 64-column mode -- TS2068 only (8X8 pixel characters)
Settable line and page margins
Separate command mode -- no invalid characters
Supports headers, footers, and page numbering
Block move, swap, and copy
Search and change text strings
Display matches print-out -- what you see is what you get
FULL manual included

CABLES

COMPCBL **6 INCH: $18** **18 INCH: $20**

COMPCBL consists of an adaptor from the back of the computer to a standard 50-pin socket connector, and a ribbon cable assembly ending in a standard 50-pin card edge connector. It is available with 6" and 18" cables.

COMPCONN **$10**

COMPCONN fits on the back any Sinclair/Timex computer, and allows the connection of a standard 50-pin socket connector.

BUFCBL **2 PORT: $18** **4 PORT: $29** **8 PORT: $45**

BUFCBL connects between BUF2 and multiple I/O boards. Available with connectors for 2, 4, and 8 boards (ports).

PRTRCBL **5FT: $24** **10FT: $30** **15FT: $36**

PRTRCBL connects from PRTIF to a printer with a Centronics style interface. Available in 5, 10 and 15 foot lengths.

Contact us about special and custom cables:

Lengths to 100 ft.
3 or more connectors on one cable (daisy chaining).
Assemblies with any combination of connectors.

Ask about volume discounts.

COMING SOON

RS232 -- Serial I/F, fully programmable

PROJOY -- Proportional joystick I/F

LTPEN -- Light pen

RAMDISK -- Mass RAM array

GRAPHIC -- Interactive graphics language

GIRLFRIDAY -- A collection of useful household tasks

SPACSIM -- Simulates a space craft in flight

6502EM -- 6502 emulator: run software for this popular CPU

Let us know what your interests are, both in these and any other products you want to see.

ORDERING INFORMATION

When ordering, specify what type of computer you own
Cash, check, or C.O.D. only
Allow 4-6 weeks for delivery
Send to:

Research Service Labs
P.O. Box 19124
OKC, OK 73144